

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
9 September 2005 (09.09.2005)

PCT

(10) International Publication Number
WO 2005/083094 A2

(51) International Patent Classification⁷: C12N 15/82

(21) International Application Number:
PCT/EP2005/050874

(22) International Filing Date: 1 March 2005 (01.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
04100814.5 1 March 2004 (01.03.2004) EP
60/550,918 5 March 2004 (05.03.2004) US

(71) Applicant (for all designated States except US):
CROPDESIGN N.V. [BE/BE]; Technologiepark 3,
B-9052 Zwijnaarde (BE).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FRANKARD, Valerie
[BE/BE]; rue de Percke 78, B-1180 Bruxelles (BE).

(74) Common Representative: CROPDESIGN N.V.; Tech-
nologiepark 3, B-9052 Zwijnaarde (BE).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ,
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA,
ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- without international search report and to be republished upon receipt of that report
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/083094 A2

(54) Title: PLANTS HAVING INCREASED YIELD AND METHOD FOR MAKING THE SAME

(57) Abstract: The present invention concerns a method for increasing plant yield, particularly seed yield, comprising introducing into a plant a nucleic acid encoding a CDKD or a functional variant thereof. The invention also provides transgenic plants produced by the methods of the invention and provides constructs useful in methods of the invention.